

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER


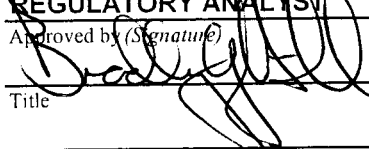
FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-28652
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No.
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		8. Lease Name and Well No. GLEN BENCH 822-22BX
3b. Phone No. (include area code) (435) 781-7024		9. API Well No. 213-04738087
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNE 701'FNL, 2020'FEL 634368X 40.113942 At proposed prod. Zone 4441385Y - 109.423316		10. Field and Pool, or Exploratory NATURAL BUTTES
14. Distance in miles and direction from nearest town or post office* 39.5 MILES SOUTH OF VERNAL, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area SEC 22, T8S, R22E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 701'	16. No. of Acres in lease 1480.00	12. County or Parish UINTAH
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	17. Spacing Unit dedicated to this well 40.00	13. State UTAH
19. Proposed Depth 10,200'	20. BLM/BIA Bond No. on file #2971100-2533	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5044	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 5/4/2006
Title REGULATORY ANALYST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 05-11-06
Title ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action Is Necessary

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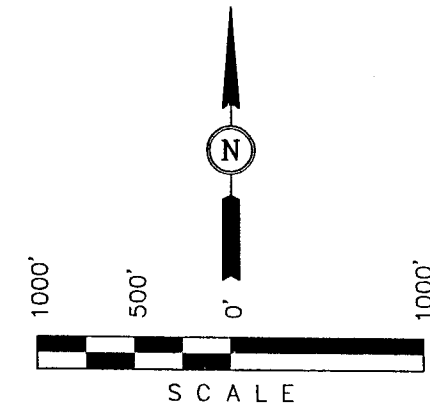
T8S, R22E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

Well location, GLEN BENCH #822-22BX,
located as shown in the NW 1/4 NE 1/4 of
Section 22, T8S, R22E, S.L.B.&M. Uintah
County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF
SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE
OURAY SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5
MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE
UNITED STATES DEPARTMENT OF THE INTERIOR,
GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS
BEING 4697 FEET.



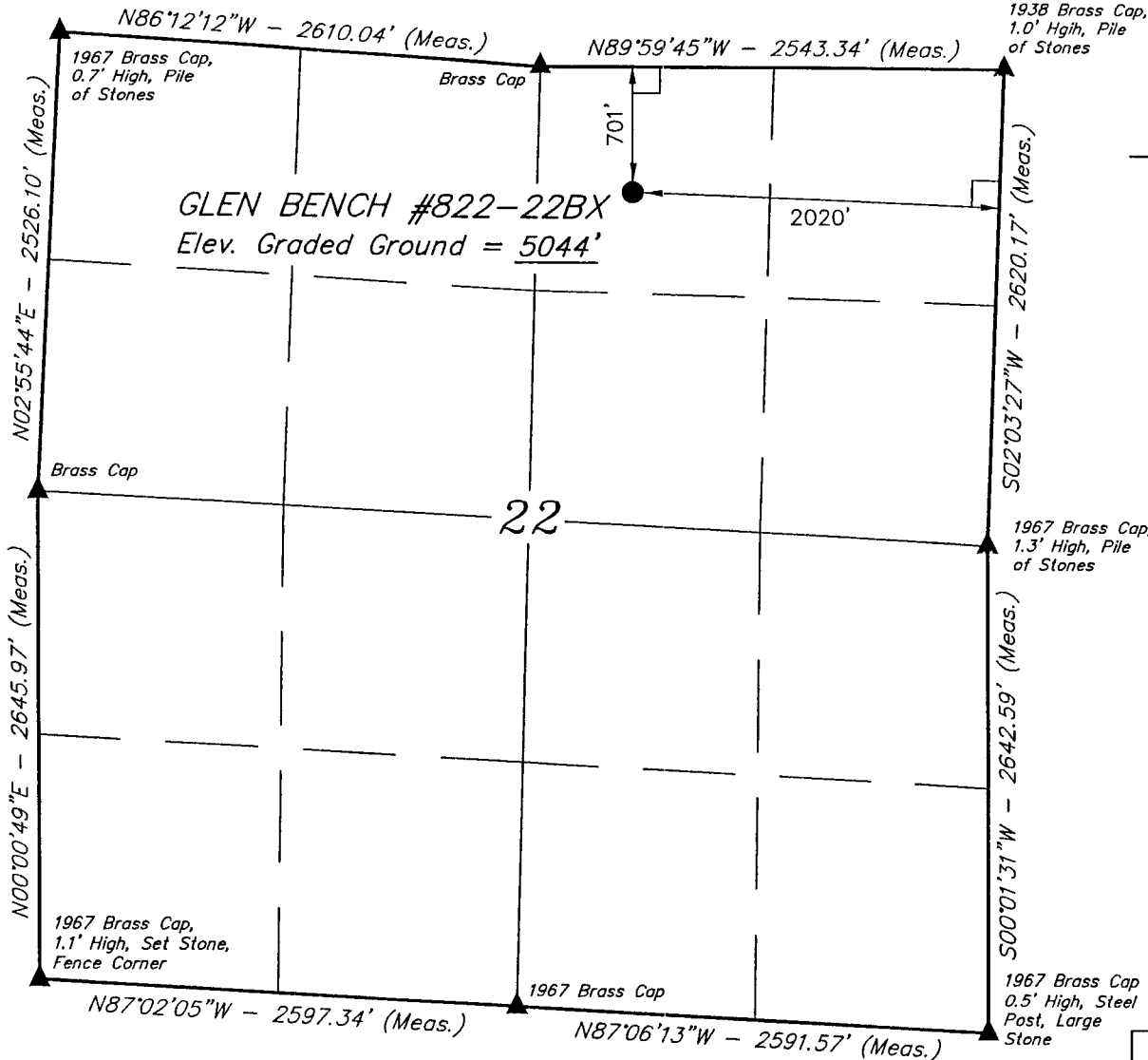
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 2-28-06	DATE DRAWN: 4-4-06
PARTY D.K. L.K. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL		



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 40°06'49.32" (40.113700)
LONGITUDE = 109°25'26.65" (109.424069)
(NAD 27)
LATITUDE = 40°06'49.45" (40.113736)
LONGITUDE = 109°25'24.19" (109.423386)

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

**GLEN BENCH #822-22BX
NW/NE Sec. 22, T8S,R22E
UINTAH COUNTY, UTAH
UTU-28652**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	2,450'
Wasatch	5,850'
Mesaverde	8,680'
TD	10,200'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	2,450'
Gas	Wasatch	5,850'
Gas	Mesaverde	8,680'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 10,200' TD, approximately equals 6,324 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4,080 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

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GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 5,850'					
	Green River @	2,450			
	Preset f/ GL @				
	2800 MD				
Mud logging program TBD Open hole logging program f/ TD - surf csg					
	Wasatch @	5,850'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Air Mist/Polymer Aerated Water/Brine 8.3-10.0 ppg
	Mverde @	8,680'			
	TD @	10,200'			Max anticipated Mud required 10.0 ppg

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KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2800	32.30	H-40	STC	0.74*****	1.05	3.21
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 10200	11.60	I-80	LTC	2.54	1.20	1.95

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac gradient x TVD of next csg point))
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
 MASP 3060 psi
 ***** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	5,350'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	580	60%	11.00	3.38
	TAIL	4,850'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1360	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
 *Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

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ADDITIONAL INFORMATION

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Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Tolco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER:

Brad Laney

DATE:

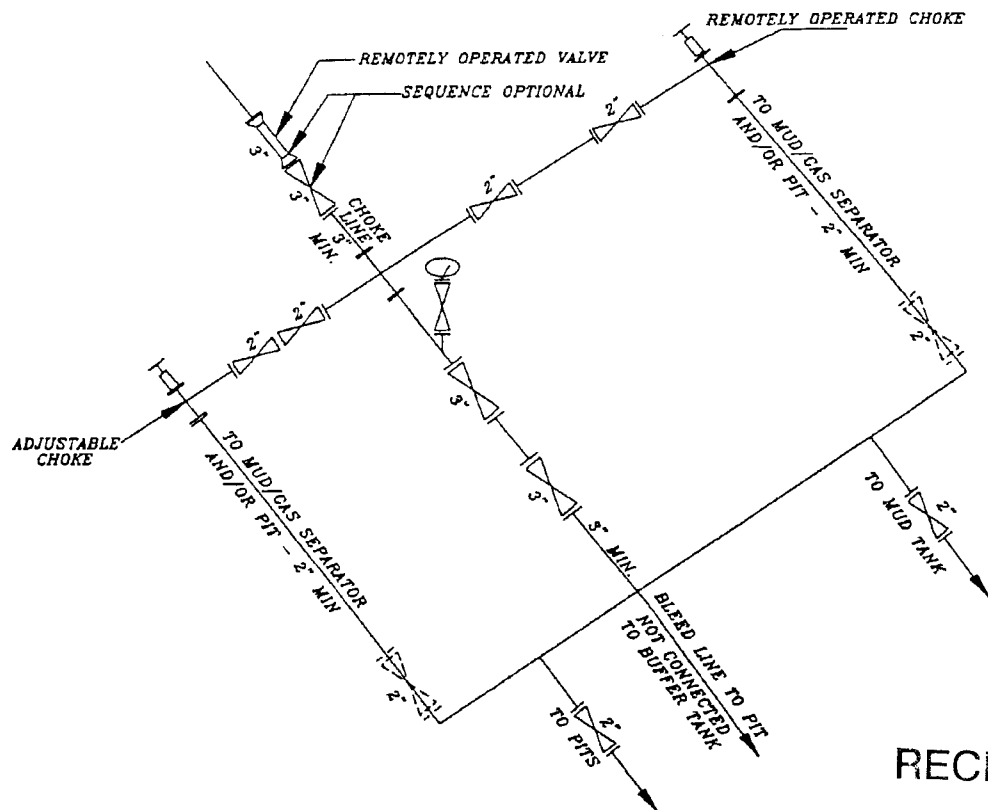
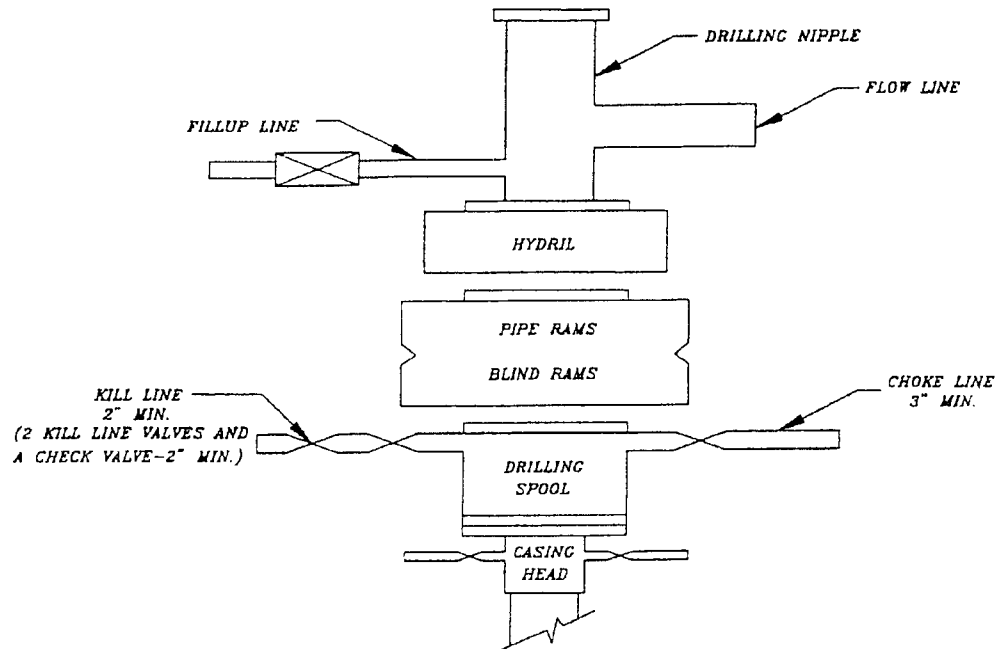
DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

DHD_GB822-22BX_APD.xls

5M BOP STACK and CHOKE MANIFOLD SYSTEM



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**GLEN BENCH #822-22BX
NW/NE SEC. 22, T8S, R22E
UINTAH COUNTY, UTAH
UTU-28652**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

The proposed access road is approximately 200' +/- . Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

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All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Variances to Best Management Practices (BMPs) Requested:

Approximately 1000' of pipeline is proposed. Up to 8" pipeline shall be installed and butt-welded. Please refer to the attached Topo Map "D" for the location of the proposed pipeline.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days

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after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 16 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).

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8. **Ancillary Facilities:**

None are anticipated.

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9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the

top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

Location size may change prior to the drilling of the well location due to current rig availability. If the Proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435) 789-4400

12. Other Information:

STIPULATIONS: AVOID PLOT FOR PLANTS.

A Class III archaeological survey has been conducted and completed on September 20, 2004 by MOAC the Archaeological Report No. 04-192b and the Paleontological Reconnaissance Report was completed on September 21, 2004, Report No. 04-236.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

Wildlife Stipulations:

BURROWING OWL – No drilling or construction from April 1st through August 15th.

Seed Mixture:

Needle & Thread Grass 3 lb/acre
Indian Ricegrass 3 lb/acre
Scarlet Globemallow 3 lb/acre
Fourwing Salt Brush 3 lb/acre

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 1148
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 1148
Vernal, UT 84078
(435)781-7018

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Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #2971100-2533.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

5/4/06
Date

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Kerr-McGee Oil & Gas Onshore LP
GLEN BENCH #822-22BX
SECTION 22, T8S, R22E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 19.2 MILES ON STATE HIGHWAY 45 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 8.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 200' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 31.3 MILES.

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Kerr-McGee Oil & Gas Onshore LP
GLEN BENCH #822-22BX
LOCATED IN UINTAH COUNTY, UTAH
SECTION 22, T8S, R22E, S.L.B.&M.

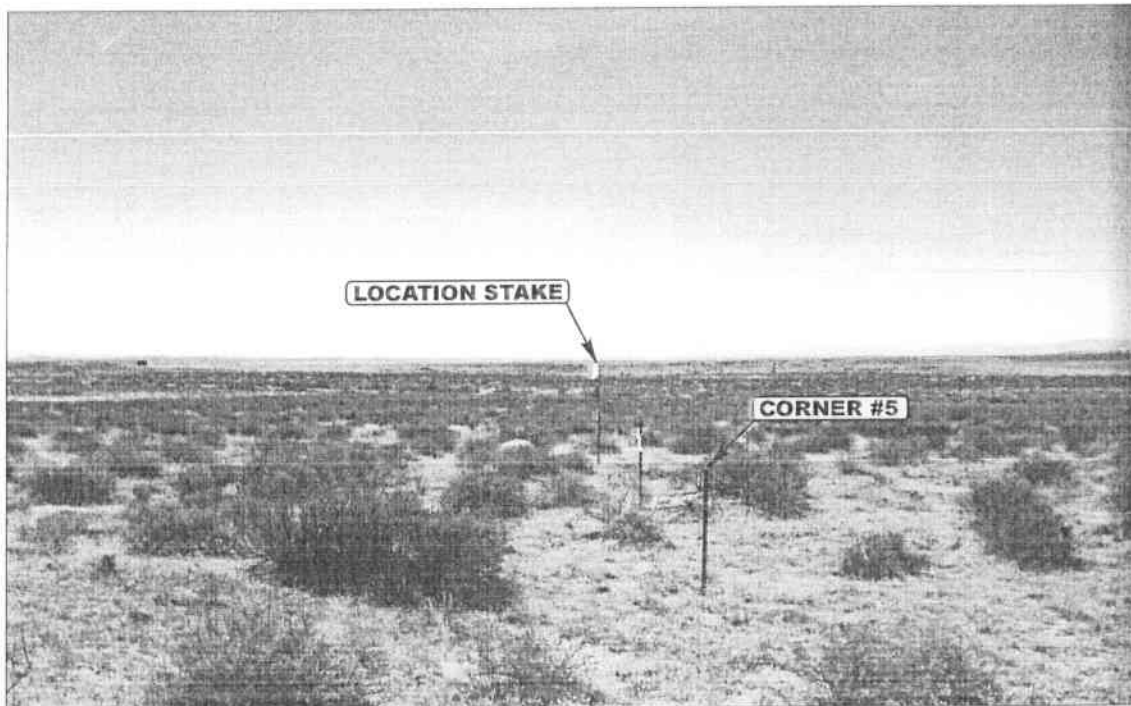


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

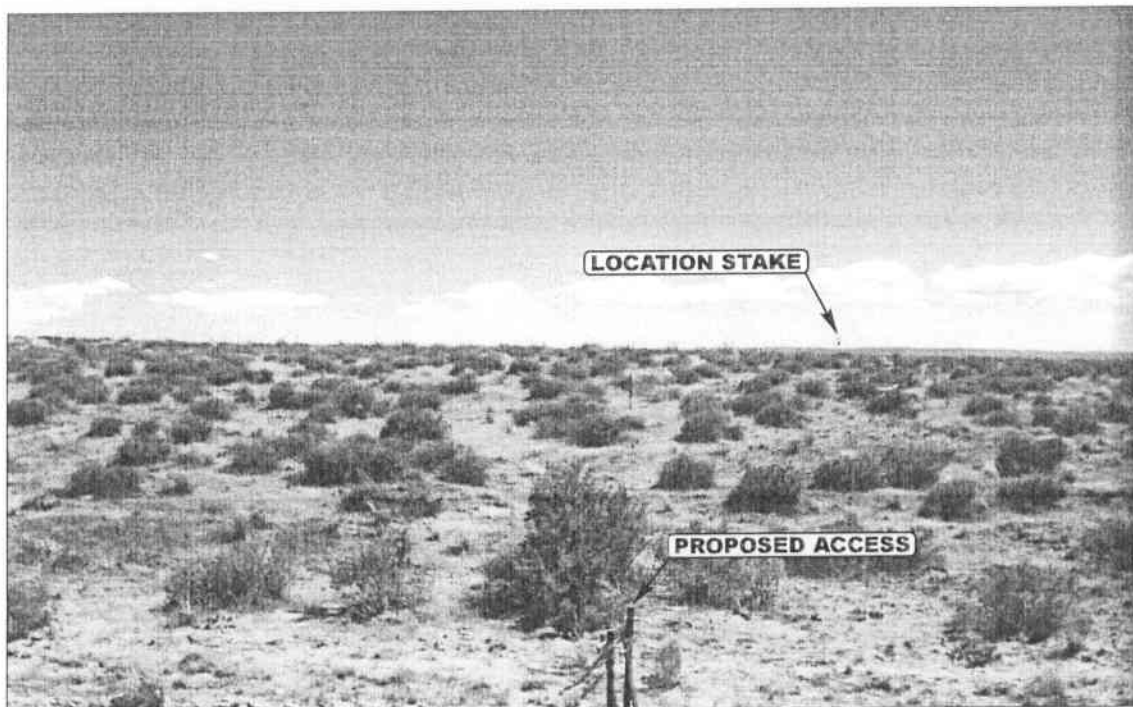


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

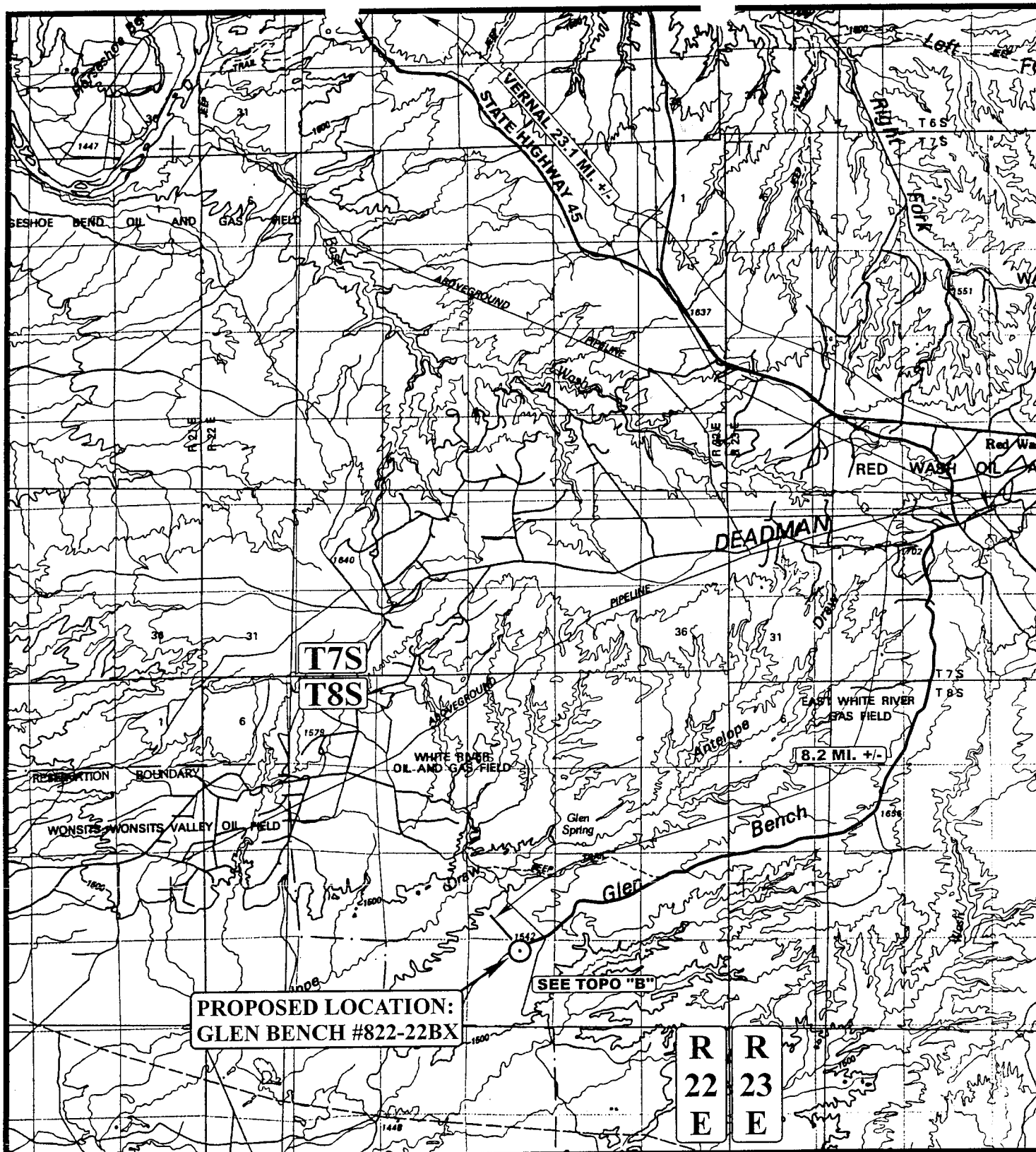
07 | 07 | 04
MONTH | DAY | YEAR

PHOTO

TAKEN BY: K.K.

DRAWN BY: P.M.

REV: B.C. 04-04-06



LEGEND:

- ⊙ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

GLEN BENCH #822-22BX

SECTION 22, T8S, R22E, S.L.B.&M.

701' FNL 2020' FEL



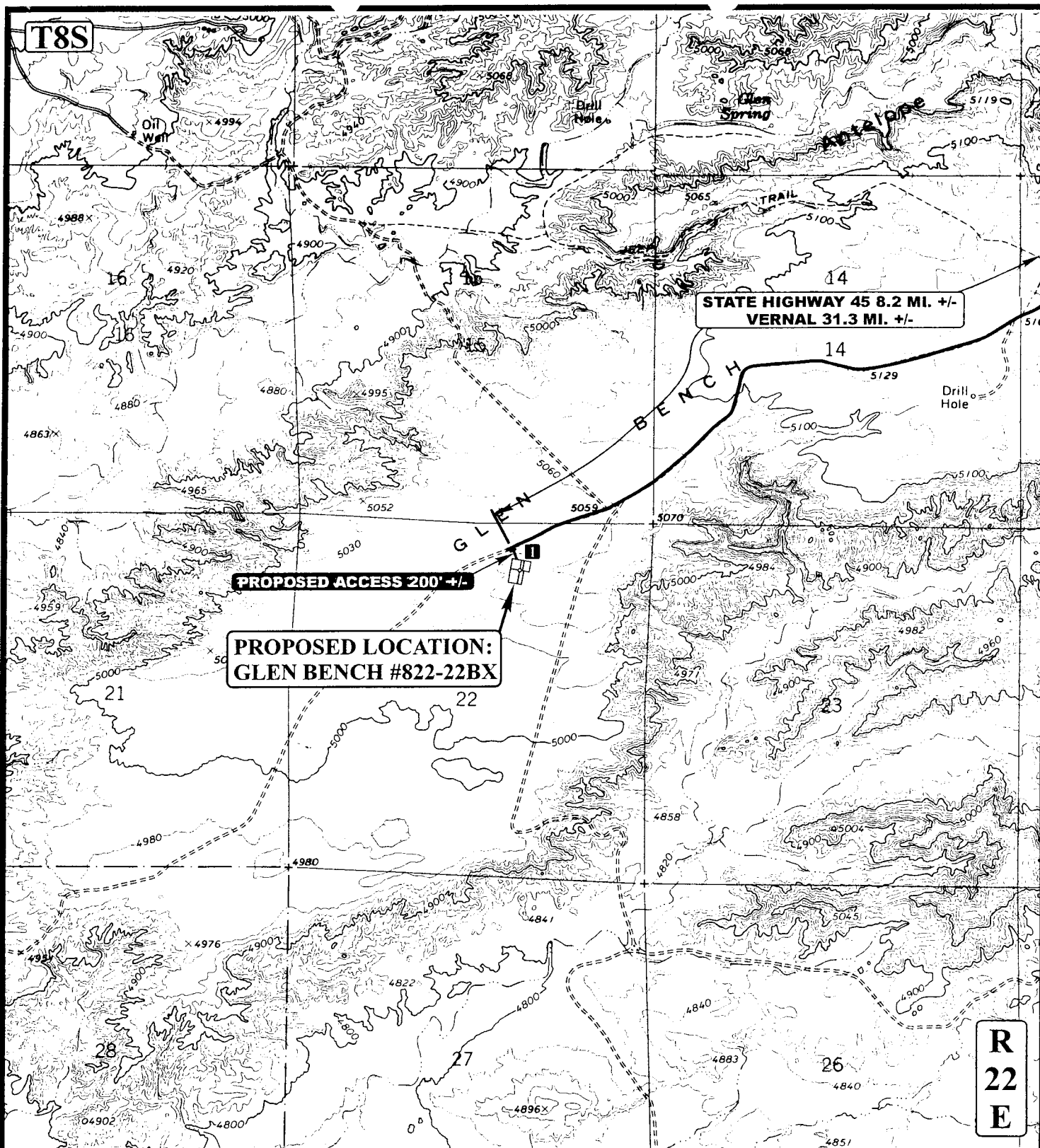
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

07	07	04
MONTH	DAY	YEAR

SCALE: 1:100,000	DRAWN BY: P.M.	REV: B.C. 04-04-06
------------------	----------------	--------------------





LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD
- 18" CMP REQUIRED

Kerr-McGee Oil & Gas Onshore LP

**GLEN BENCH #822-22BX
SECTION 22, T8S, R22E, S.L.B.&M.
701' FNL 2020' FEL**



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

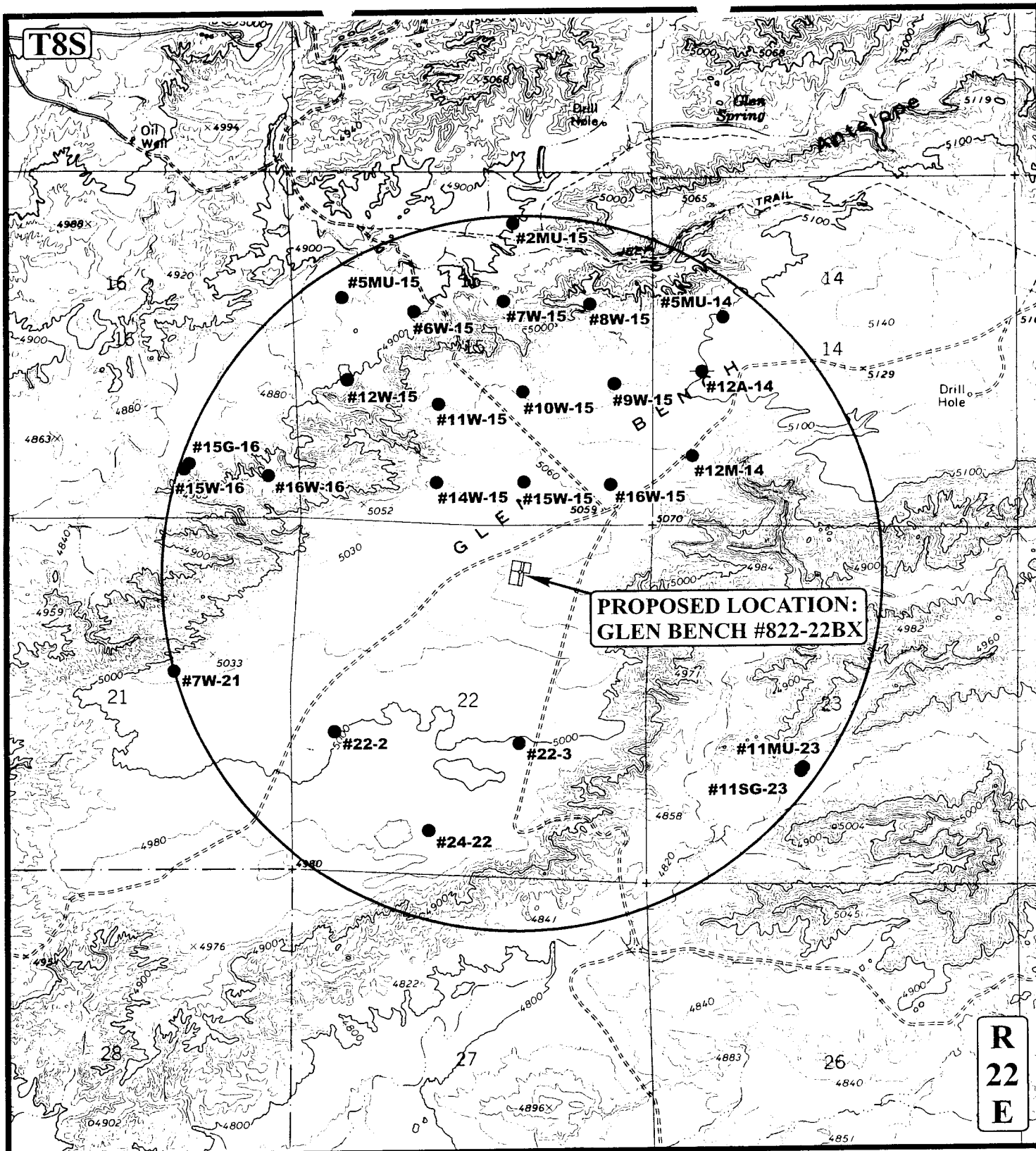


TOPOGRAPHIC MAP

07	07	04
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REV: B.C. 04-04-06





LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



Kerr-McGee Oil & Gas Onshore LP

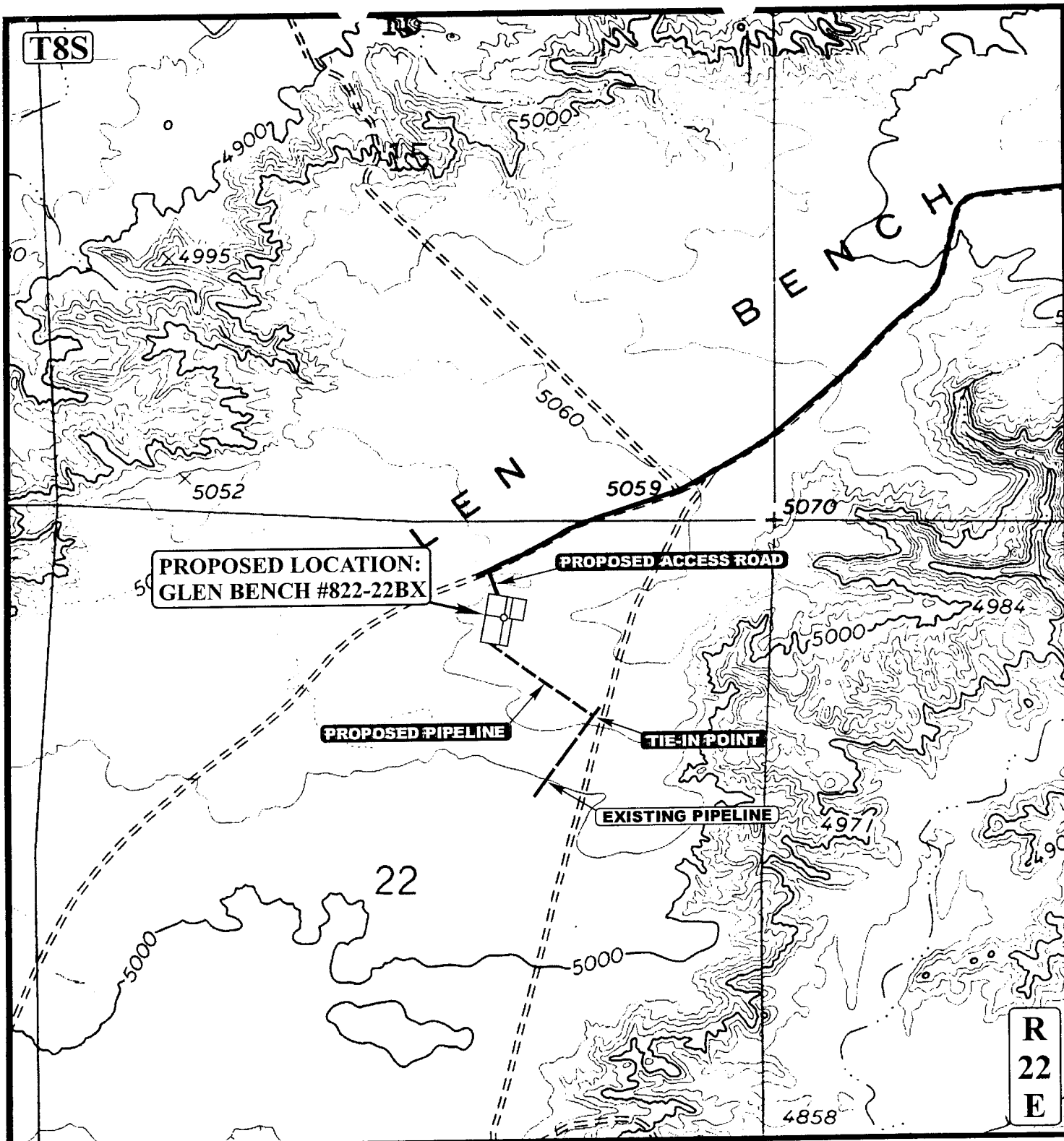
GLEN BENCH #822-22BX
 SECTION 22, T8S, R22E, S.L.B.&M.
 701' FNL 2020' FEL

TOPOGRAPHIC
 MAP

07 07 04
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REV: B.C. 04-04-06

C
 TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 900' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



Kerr-McGee Oil & Gas Onshore LP

GLEN BENCH #822-22BX
SECTION 22, T8S, R22E, S.L.B.&M.
701' FNL 2020' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

07 07 04
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: P.M. REV: B.C. 04-04-06

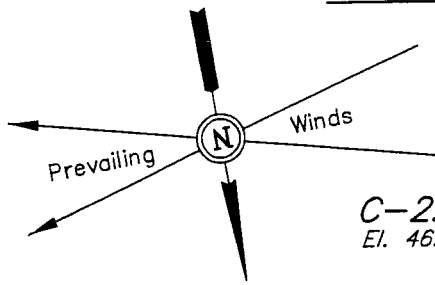


Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

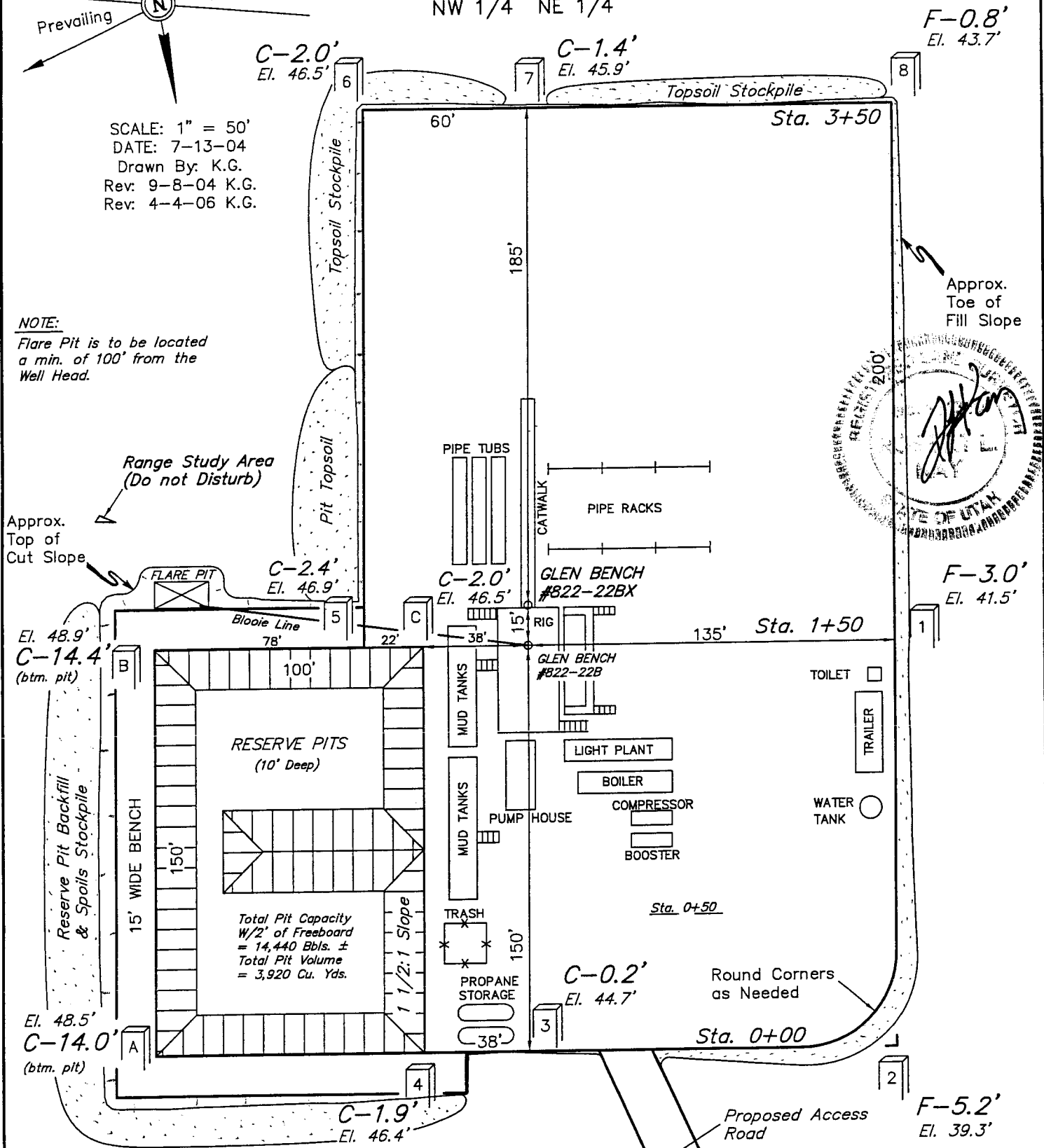
GLEN BENCH #822-22BX
SECTION 22, T8S, R22E, S.L.B.&M.
NW 1/4 NE 1/4



SCALE: 1" = 50'
DATE: 7-13-04
Drawn By: K.G.
Rev: 9-8-04 K.G.
Rev: 4-4-06 K.G.

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5045.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 5044.5'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

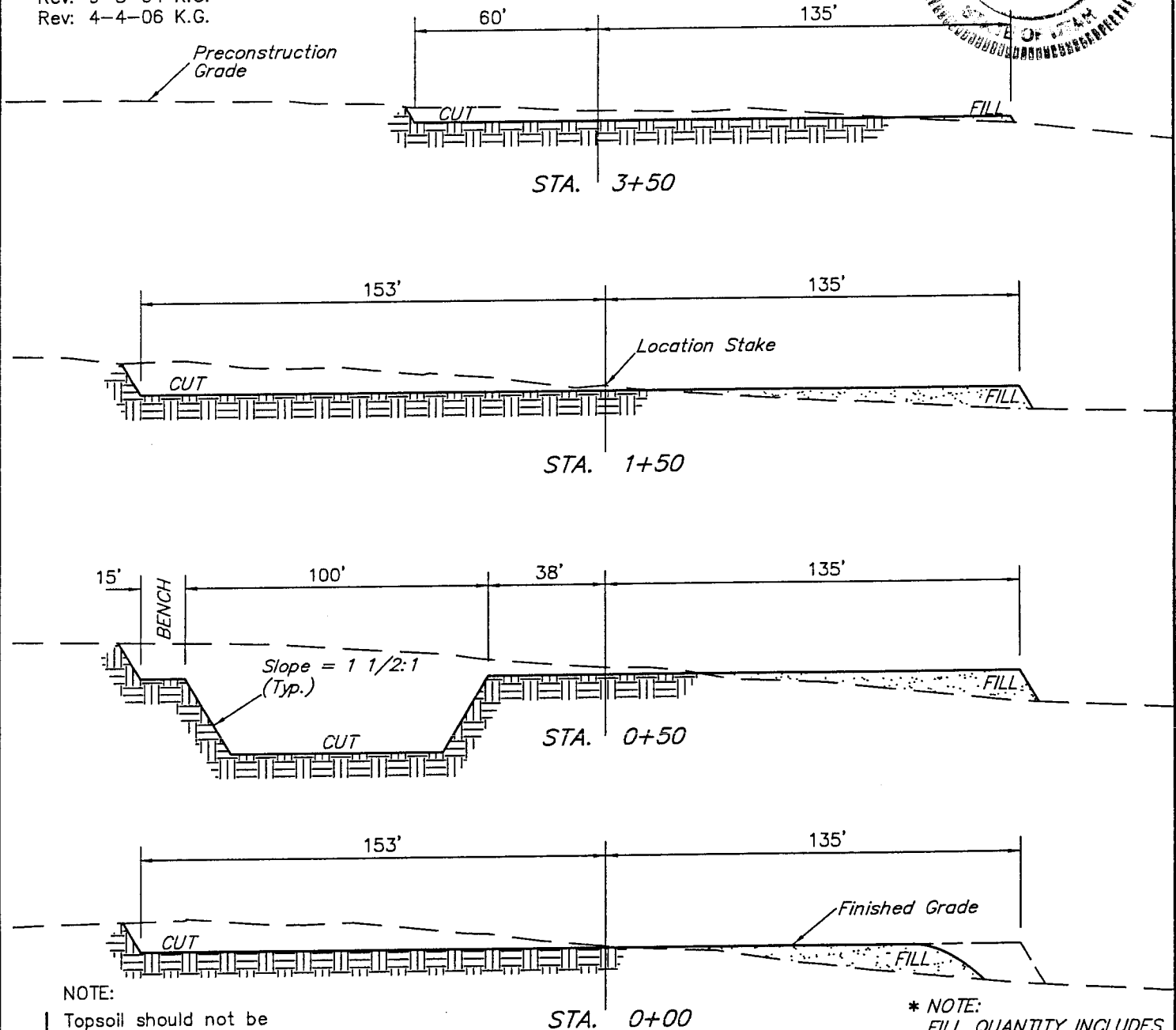
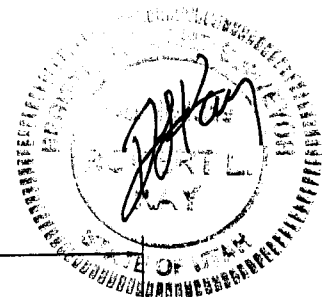
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR

GLEN BENCH #822-22BX
SECTION 22, T8S, R22E, S.L.B.&M.
NW 1/4 NE 1/4

1" = 20'
X-Section
Scale
1" = 50'
DATE: 7-13-04
Drawn By: K.G.
Rev: 9-8-04 K.G.
Rev: 4-4-06 K.G.



NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,720 Cu. Yds.
Remaining Location	= 7,130 Cu. Yds.
TOTAL CUT	= 8,850 CU.YDS.
FILL	= 3,010 CU.YDS.

EXCESS MATERIAL	= 5,840 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,680 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,160 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/08/2006

API NO. ASSIGNED: 43-047-38087

WELL NAME: GLEN BENCH 822-22BX

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NWNE 22 080S 220E

SURFACE: 0701 FNL 2020 FEL

BOTTOM: 0701 FNL 2020 FEL

COUNTY: UINTAH

LATITUDE: 40.11394 LONGITUDE: -109.4233

UTM SURF EASTINGS: 634368 NORTHINGS: 4441385

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-28652

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 2971100-2533)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.
Unit: _____
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☐ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☐ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: _____

1- Fed Appr
2- Spacing Strip

SG 13ML-15-8-22
OU GB 16W-16-8-22

13W-15-8-22

15W-15-8-22

GLEN BENCH FED 44-15

OU SG 16W-15-8-22

T8S R22E

GLEN BENCH
FED 822-22D

GLEN BENCH 822-22C
GLEN BENCH 3W-22-8-22
GLEN BENCH 822-22C

GLEN BENCH 822-22BX
GLEN BENCH 822-22B

GLEN BENCH
822-22A

WIH
TAMU-21-8-22

NATURAL BUTTES FIELD

GLEN BENCH
822-22E

GLEN BENCH
822-22F

GLEN BENCH
822-22G

GLEN BENCH
822-22H

GLEN BENCH
FED 22-2

GLEN BENCH
822-22K

GLEN
BENCH 22-3

GLEN BENCH
822-22I

GLEN BENCH
822-22M

FEDERAL
24-22

GLEN BENCH
822-22O

GLEN BENCH
822-27D

GLEN BENCH
822-27B

GLEN BENCH
822-27A

OPERATOR: KERR-MCGEE O&G (N2995)

SEC: 22 T. 8S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Field Status
ABANDONED
ACTIVE
COMBINED
INACTIVE
PROPOSED
STORAGE
TERMINATED

Unit Status
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PENDING
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Wells Status

GAS INJECTION
GAS STORAGE
LOCATION ABANDONED
NEW LOCATION
PLUGGED & ABANDONED
PRODUCING GAS
PRODUCING OIL
SHUT-IN GAS
SHUT-IN OIL
TEMP. ABANDONED
TEST WELL
WATER INJECTION
WATER SUPPLY
WATER DISPOSAL
DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 11-MAY-2006



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

May 11, 2006

Kerr-McGee Oil & Gas Onshore
1368 South 1200 East
Vernal, UT 84078

Re: Glen Bench 822-22BX Well, 701' FNL, 2020' FEL, NW NE, Sec. 22,
T. 8 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38087.

Sincerely,

Gil Hunt
Associate Director

mf
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Kerr-McGee Oil & Gas Onshore
Well Name & Number Glen Bench 822-22BX
API Number: 43-047-38087
Lease: UTU-28652

Location: NW NE **Sec.** 22 **T.** 8 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

RECEIVED

Form 3160-3
(August 1999)

MAY - 5 2006

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BLM VERNAL, UTAH

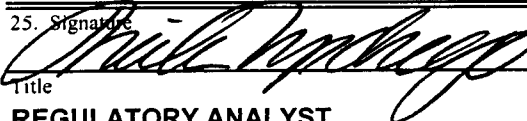

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-28652	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name	
2. Name of Operator KERR McGEE OIL & GAS ONSHORE LP			7. If Unit or CA Agreement, Name and No.	
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. GLEN BENCH 822-22BX	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNE 701'FNL, 2020'FEL At proposed prod. Zone			9. API Well No. 43-047-38587	
14. Distance in miles and direction from nearest town or post office* 39.5 MILES SOUTH OF VERNAL, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 701'		16. No. of Acres in lease 1480.00	11. Sec., T., R., M., or Blk, and Survey or Area SEC 22, T8S, R22E	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		19. Proposed Depth 10,200'	12. County or Parish UINTAH	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5044		20. BLM/BIA Bond No. on file #2971100-2533	13. State UTAH	
22. Approximate date work will start*			23. Estimated duration	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 5/4/2006
Title REGULATORY ANALYST		
Approved by (Signature) 	Name (Printed/Typed) JERRY KENZKA	Date 8-23-2006
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Accepted by the
Division of
Oil, Gas & Mining
FOR RECORD ONLY

RECEIVED

NOV 07 2006

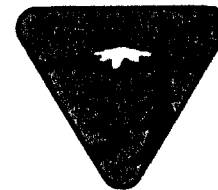
DIV. OF OIL, GAS & MINING

4006m



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: **Kerr McGee Oil & Gas**
Well No: **Glen Bench 822-22BX**
API No: **43-047-38087**

Location: **NWNE, Sec. 22, T8S R22E**
Lease No: **UTU-28652**
Agreement: **N/A**

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | | |
|---|---|--|
| Location Construction
(Notify Holly Villa) | - | Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify Holly Villa) | - | Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - | Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Jamie Sparger) | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Jamie Sparger) | - | Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. Surface casing cement shall be brought up to the surface. To reach the surface, operator is required to pump additional cement beyond the stated amounts of sacks in application.
2. A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

6. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
7. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location ($\frac{1}{4}$ Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - g. Unit agreement and / or participating area name and number, if applicable.
 - h. Communitization agreement number, if applicable.
13. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than

Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production

15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: GLEN BENCH 822-22BX

Api No: 43-047-38087 Lease Type: FEDERAL

Section 22 Township 08S Range 22E County UINTAH

Drilling Contractor ROCKY MOUNTAIN DRLG RIG # RATHOLE

SPUDDED:

Date 12/30/06

Time NOON

How DRY

Drilling will Commence: _____

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 01/04/2007 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORMOperator: KERR MCGEE OIL & GAS ONSHORE LPOperator Account Number: N 2995Address: 1368 SOUTH 1200 EASTcity VERNALstate UTzip 84078Phone Number: (435) 781-7024**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738087	GLEN BENCH 822-22BX		NWNE	22	8S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>A</u>	99999	<u>15875</u>	12/30/2006		<u>1/11/07</u>		
Comments: <u>MIRU ROCKY MTN BUCKET RIG. WSMVD</u> <u>SPUD WELL LOCATION ON 12/30/2006 AT 1200 HRS.</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

(a/2000) To BARBARA RUSSELL From SHEILA UPCHEGO
Co./Dept. WDOGIM Co. KMB
Phone # (801) 538-5330 Phone # (435) 781-7024
Fax # (801) 354-3440 Fax # (435) 781-7094

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

1/3/2007

Title

Date

RECEIVED**JAN 08 2007**

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

UTU-28652

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE SEC. 22, T8S, R22E 701'FNL, 2020'FEL

8. Well Name and No.

GLEN BENCH 822-22BX

9. API Well No.

4304738087

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU ROCKY MTN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 12/30/2006 AT 1200 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Signature

Title

SENIOR LAND ADMIN SPECIALIST

Date

January 3, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JAN 11 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE SEC. 22, T8S, R22E 701'FNL, 2020'FEL

5. Lease Serial No.

UTU-28652

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

GLEN BENCH 822-22BX

9. API Well No.

4304738087

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PIONEER RIG 54 ON 01/25/2007. DRILLED 12 1/4" SURFACE HOLE TO 3281' . RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/339 SX PREM CLASS G @11.0 PPG 3.38 YIELD. RATE NOT WORKING RIGH ON LEAD CMT TAILED CMT W/195 SX NEAT CLASS G @15.6 PPG 1.18 YIELD. DROP PLUG AND DISPLACED W/250.3 BBLS FRESH WATER @342 PSI BUMPED PLUG @725 PSI FLOATS HELD GOOD RETURNS THROUGH OUT JOB 2 BBLS CMT TO PIT START RUNNING 200' OF 1" PIPE. TOP OUT W/135 SX NEAT CLASS G @15.8 PPG 1.16 YIELD. CMT TO SURFACE. CMT FELL TO 25' FROM SURFACE LEFT 20 SX CMT ON LOC. WASH OUT AND N/D 14" CONDUCTOR & FLOW LINE. MAKE ROUGH CUT ON 14" 9 5/8" CSG. WELD ON WELL HEAD N/U & TEST BOP. DRILLING AHEAD.

RECEIVED

JAN 31 2007

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

DIV. OF OIL, GAS & MINING

Signature

Date

January 3, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

UTU-28652

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

GLEN BENCH 822-22BX

9. API Well No.

4304738087

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE SEC. 22, T8S, R22E 701'FNL, 2020'FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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FINISHED DRILLING FROM 3281' TO 10,150' ON 02/09/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/480 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1326 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG AND DISPLACE W/157 BBLS FRESH WATER @2537 PSI BUMPED PLUG @3007 PSI FLOATS HELD W/2 BBLS RETURN LOST CIRC 50 BBLS INTO DISPLACEMENT NO CMT TO SURFACE. N/DN BOP & SET SLIPS W/110K STRING WT.

RELEASED PIONEER RIG 54 ON 02/11/2007 AT 1700 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

February 12, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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(Instructions on reverse)

RECEIVED

FEB 20 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE SEC. 22, T8S, R22E 701'FNL, 2020'FEL

5. Lease Serial No.

UTU-28652

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

GLEN BENCH 822-22BX

9. API Well No.

4304738087

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other PRODUCTION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	START-UP
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 03/11/2007AT 9:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

March 12, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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(Instructions on reverse)

RECEIVED

MAR 16 2007

DIV. OF OIL, GAS & MINING



Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

GLEN BENCH 822-22BX

NWNE, SEC. 22, T8S, R22E
UINTAH COUNTY, UT

DATE	Activity				Status
12/29/06	LOCATION COMPLETE Pioneer 54				P/L IN, WOAR
01/23/06	TD: 1020' RURT.	Csg. 9 5/8"@ X '	MW: 8.4	SD: 1/XX/07	DSS: 0
01/24/07	TD: 1020' RURT and thaw mud lines.	Csg. 9 5/8"@ X '	MW: 8.4	SD: 1/XX/07	DSS: 0
01/25/07	TD: 1020' RURT and thaw mud lines. PU 12 1/4" Bit and BHA and wash and ream hole to 400'.	Csg. 9 5/8"@ X '	MW: 8.6	SD: 1/25/07	DSS: 0
01/26/07	TD: 1675' Wash and ream hole to 1020'. Rotary spud @ 1200 hrs 1/25/07. Drill formation to 1224'. Work on mud pumps. Drill to 1675'. DA @ report time.	Csg. 9 5/8"@ X '	MW: 9.0	SD: 1/25/07	DSS: 1
01/29/07	TD: 3281' Drill from 1675'-2050'. Lost returns. Mix LCM pill and build volume. Drill to 2680'. TFNB. Drill to 3281'. CCH and POOH. Run and cement 9 5/8" surface casing. Make rough cut on 14" and 9 5/8" casing @ report time.	Csg. 9 5/8"@ 3275'	MW: 9.3	SD: 1/25/07	DSS: 4
01/30/07	TD: 3411' Install 9 5/8" casing Head. NU and test BOPE. TIH and drill FE. Drill from 3281'-3411'. DA @ report time.	Csg. 9 5/8"@ 3275'	MW: 9.0	SD: 1/25/07	DSS: 5
01/31/07	TD: 5091' Drill from 3411'-5091'. DA @ report time.	Csg. 9 5/8"@ 3275'	MW: 8.9	SD: 1/25/07	DSS: 6
02/01/07	TD: 5710' Drill from 5091'-5405'. TFNB. Drill to 5710'. DA @ report time.	Csg. 9 5/8"@ 3275'	MW: 8.9	SD: 1/25/07	DSS: 7
02/02/07	TD: 7005' Drill from 5710'-7005'. DA @ report time.	Csg. 9 5/8"@ 3275'	MW: 9.3	SD: 1/25/07	DSS: 8
02/05/07	TD: 8355' Drill from 7005'-7302', repair generator 9hr. Drill 7302'-7762' TFNB, Wash through tight hole 5150'-5650' & 6100'-7760' Drill from 7762'-8355' D/A @ report time.	Csg. 9 5/8"@ 3275'	MW: 9.7	SD: 1/25/07	DSS: 11
02/06/07	TD: 9050' Drill from 8355'-8383'. Repair #1 and #2 pumps (2.5 hrs). Drill to 9050'. DA @ report time.	Csg. 9 5/8"@ 3275'	MW: 10.0	SD: 1/25/07	DSS: 12
02/07/07	TD: 9250' Drill from 9050'-9250'. TFNB. W&R f/ 5422'-6836'. TIH @ report time.	Csg. 9 5/8"@ 3275'	MW: 10.0	SD: 1/25/07	DSS: 13

02/08/07 TD: 9733' Csg. 9 5/8"@ 3275' MW: 10.7 SD: 1/25/07 DSS: 14
TIH to 8800'. W&R f/ 8800'-9250'. Drill from 9250'-9733'. DA @ report time.

02/09/07 TD: 10150' Csg. 9 5/8"@ 3275' MW: 11.0 SD: 1/25/07 DSS: 15
Drill from 9733'-10150'. CCH and short trip to 5000'. TIH @ report time.

02/12/07 TD: 10150' Csg. 9 5/8"@ 3275' MW: 11.4 SD: 1/25/07 DSS: 18
Finish TIH. CCH and lost 300 bbls. Inc LCM to 18%. TOOH for logs. Run logs hitting bridge at 6808'. TIH and CCH. LDDP and run and cmt 4.5" prod Csg. Set slips and ND. Rls rig @ 1700 hrs on 2/11/07. RDRT @ report time.

03/02/07 **MIRU**
Days On Completion: 1
Remarks: HSM. RD RIG, RACK OUT EQUIP. RR FR NBU 921-25P TO LOCATION. LOST TURBO ON RIG ENROUTE. MAKE REPAIRS TO RIG. SPOT RIG & EQUIP. COULD NOT RIG UP DUE TO HIGH WINDS. SDFWE.

03/05/07 **POOH W/TBG**
Days On Completion: 4
Remarks: 7:00 AM. HSM. RU RIG. ND WELLHEAD, NU BOP. PU 3 7/8" MILL, BIT SUB. RIH PU 23/8" TBG. PU 250 JTS, GOT TO 8000'. POOH STANDING BACK TBG. SWI.

03/06/07 **FRAC**
Days On Completion: 5
Remarks: ALL STAGES WILL USE NALCO DVE-005 SCALE INHIBITOR (3 GPT IN PAD THRU HALF OF THE 1ST RAMP OF SAND & 10 GPT IN FLUSH); PERF GUNS WILL BE 3-3/8" EXPENDABLE (23 GM CHG, 40" PENE, 0.36" HOLE, 4 SPF-90 DEGREE PHASING); 30/50 OTTAWA SAND; RESIN COATED SMD WILL BE THE LAST 5,000 LBS SAND STAGE; SLICK WATER (FRESH FROM BUGGSY'S WATER SERVICE); CBPs ARE HALLIBURTON 5K 4.5". HSM. ND BOP, NU FRAC VLVS. MIRU B&C QUICK TEST. RU PMP TO CSG, FILL CSG. PRES TEST FRAC VLVS & CSG TO 7500 PSI. RDMO B&C. MIRU CUTTERS WIRELINE SERVICE. PU PERF GUN, RIH, PERF: 9981-86, PU, PERF: 9933-39'. TOT OF 44 HOLES. POOH, LD WL TLS. MIRU HALLIBURTON. HSM. PRES TEST SURF LINES TO 8500 PSI.

STAGE 1: OW: 850 PSI, BRK: 5027 PSI, ISIP: 2726 PSI, FG: 0.71. ER: 48 BPM @ 4670 PSI. POC: 71%. FRAC STG W/SW. TOT SND: 41,000 LBS, TOT FL: 1207 BBL. ISIP: 3221 PSI, FG: 0.76. MP: 5631 PSI, MR: 55 BPM, AP: 4638 PSI, AR: 50.0. MU CWLS.

STAGE 2: PU CBP & PERF GUN. RIH TO SET CBP, CHG WOULDN'T GO. POOH, RPAIR TLS. RIH SET CBP @ 9500', PU, PERF: 9463-70', PU, PERF: 9236-40'. POOH, LD WL TLS. MU HALLIBURTON. OW: 1400 PSI, BRK: 3992 PSI, ISIP: 2131 PSI, FG: 0.66. ER: 52 BPM @ 4465 PSI. POC: 64%. FRAC STAGE W/SW. TOT SND: 30,000 LBS, TOT FL: 897 BBL. ISIP: 2427 PSI, FG: 0.69. MP: 4994 PSI, MR: 55 BPM, AP: 4487 PSI, AR: 52.0 BPM. MU CWLS.

STAGE 3: PU CBP & PERF GUN. RIH, SET CBP @ 8850'. PU, PERF: 8791-95', PU, PERF: 8738-45', TOT OF 44 HOLES. POOH, LD WL TLS. DRAIN DN PMP & LINES. SWI, SDFN.

03/07/07 **FRAC**
Days On Completion: 6
Remarks: HSM.
STAGE 3: BRK: 2557 PSI, ISIP: 1381 PSI, FG: 0.59. ER: 49 BPM @ 3300 PSI. FRAC STAGE W/SW. OT SND: 119,170 LBS, TOT FL: 3131 BBL, FG: 0.69. MP: 4034 PSI, MR: 58 BPM, AP: 3827 PSI, AR: 56 BPM. MU CWLS.

STAGE 4: PU CBP & PERF GUN. RIH, SET CBP @ 8558'. PU, PERF: 8524-28', PU, PERF: 8340-46'. TOT OF 40 HOLES. POOH, LD WL TLS. MU HAL.BRK: 3557 PSI, ISIP: 1767 PSI, FG: 0.64. ER: 47 BPM @ 4300 PSI. POC: 57% (23/40). FRAC STG W/SW. TOT SND: 29,140 LBS, TOT FL: 870 BBL. ISIP: 2530 PSI, FG: 0.73. MP: 5595 PSI, MR: 59 BPM, AP: 4229 PSI, AR: 49 BPM. MU CWLS.

STAGE 5: PU CBP & PERF GUN. RIH. SET CBP @ 7534', PU, PERF: 7499-7504", PU, PERF: 7148-53". TOT OF 40 HOLES. POOH, LD WL TLS. MU HAL.OW: 1000 PSI, BRK: 1411 PSI, ISIP: 1231 PSI, FG: 0.61. ER: 51 BPM @ 3100 PS, POC: 87% (35/40). FRAC STG W/SW. TOT SND: 21,900 LBS, TOT FL: 658 BBL, ISIP: 1402 PSI, FG: 0.63. MP: 5595 PSI, MR: 59 BPM, AP: 3877 PSI, AR: 53 BPM. MU CWLS.

STAGE 6: PU CBP & PERF GUN. RIH, SET CBP @ 6818'. PU, PERF: 6777-82', PU, PERF: 6552-57'. TOT OF 40 HOLES. POOH, LD WL TLS. MU HAL.OW: 1150 PSI, BRK: 1700 PSI, ISIP: 1049 PSI, FG: 0.59. ER: 52.5 BPM @ 3450 PSI. POC: 65% (26/40). FRAC STG W/SW. TOT SND: 26,900 LBS, TOT FL: 859 BBL. ISIP: 1626 PSI, FG: 0.68. MP: 4440 PSI, MR: 55 BPM, AP: 3076 PSI, AR: 52 BPM. MU CWLS. PU KILL PLUG, RIH, SET PLUG @ 6630'. POOH, LD WL TLS. RDMO CWLS & HALLIBURTON. ND FRAC VLVS, NU BOP. PU 3-7/8" BIT & FE POBS. RIH W/BIT SUB & TBG. TAG KILL PLUG @ 6630'. X-OVER EQUIP FROM TBG TO PWR SWVL. RU PMP TO SWLV, ESTAB CIRC. D/O PLUGS AS FOLLOWS:

CBP #	FILL	CBP DPTH	PSI INCR	D/O MINS
1	6540'	6540'	300	15
2	6800'	6818'	200	25
3	7525'	7534'	0	22

POOH, STAND BACK 3 STANDS. SWI. SDFN.

03/08/07 DRILL THROUGH BOTTOM 3 PLUGS, PUMPED OFF BIT SUB. PU & LANDED. RIG DOWN AND MOVE. TURN OVER TO FLOW BACK CREW.

03/08/07 **FLOW BACK REPORT:** CP: 500#, TP: 350#, 26 BWPH, 20/64 CHK, TTL BBLS FLWD: 574
TODAYS LTR: 5048 BBLS, TTL LOAD RECD TO DATE: 574 BBLS

03/10/07 **FLOW BACK REPORT:** CP: 2000#, TP: 300#, 16 BWPH, 16/64 CHK, TTL BBLS FLWD: 404
TODAYS LTR: 3990 BBLS, TTL LOAD RECD TO DATE: 1632 BBLS

03/11/07 **FLOW BACK REPORT:** CP: 1850#, TP: 950#, 16 BWPH, 20/64 CHK, TTL BBLS FLWD: 520
TODAYS LTR: 3470 BBLS, TTL LOAD RECD TO DATE: 2152 BBLS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5. Lease Serial No.
UTU-28652

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

KERR MCGEE OIL & GAS ONSHORE LP

8. Lease Name and Well No.

GLEN BENCH 822-22BX

3. Address

1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435)-781-7024

9. API Well No.

4304738087

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*

At surface

NW/NE 701'FNL, 2020'FEL

10. Field and Pool, or Exploratory

NATURAL BUTTES

At top prod. interval reported below

11. Sec., T., R., M., or Block and
Survey or Area SEC. 22, T8S, R22E

12. County or Parish

UINTAH

13. State

UTAH

At total depth

14. Date Spudded

12/30/06

15. Date T.D. Reached

02/09/07

16. Date Completed

03/11/07

☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

5044'GL

18. Total Depth: MD 10.150'
TVD

19. Plug Back T.D.: MD 10.101'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL-CCL-GR

22. Was well cored? ☒ No ☐ Yes (Submit copy)

Was DST run? ☒ No ☐ Yes (Submit copy)

Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		3281'		689 SX			
7 7/8"	4 1/2"	11.6#		10,150'		1806 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	8909'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6552'	7504'	6552'-7504'	0.36	80	OPEN
B) MESAVERDE	8340'	9986'	8340'-9986'	0.36	168	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
6552'-7504'	PMP 1517 BBLS SLICK H2O & 48,800# 30/50 OTTOWA SD
8340'-9986'	PMP 6105 BBLS SLICK H2O & 219,310# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/11/07	03/16/07	24	→	0	1,637	260			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 887#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	1286#	→	0	1637	260			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/11/07	03/16/07	24	→	0	1637	260			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 887#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	1286#	→	0	1637	260			PRODUCING GAS WELL

(See instructions and spaces for additional data on reverse side)

RECEIVED

APR 09 2007

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)**SOLD**

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	5799' 8333'	8333'			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 5. Core Analysis 7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) SHEILA UPCHEGOTitle SENIOR LAND ADMIN SPECIALISTSignature Date 4/4/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.